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(71) Applicant (for all designated States except US): LG
ELECTRONICS INC. [KR/KR]; 20, Yoido-Dong,
Youngdungpo-Gu, Seoul 150-010 (KR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): JUN, Young-Hoan
[KR/KR]; Daedong Apt. 109-102, Sangnam-Dong,
Changwon, Gyeongsangnam-Do 641-777 (KR). SHIN,

Dong-Hee [KR/KR]; Jugong Apt. 201-1401, Danggam
4-Dong, Busanjin-Gu, Busan 614-766 (KR). BAE,
Gyoo-Jong [KR/KR]; 175-7, Bonggok-Dong, Changwon,
Gyeongsangnam-Do 641-823 (KR). LEE, Woo-Geun
[KR/KR]; 304-29, Deokcheon 2-Dong, Buk-Gu, Busan
616-816 (KR).

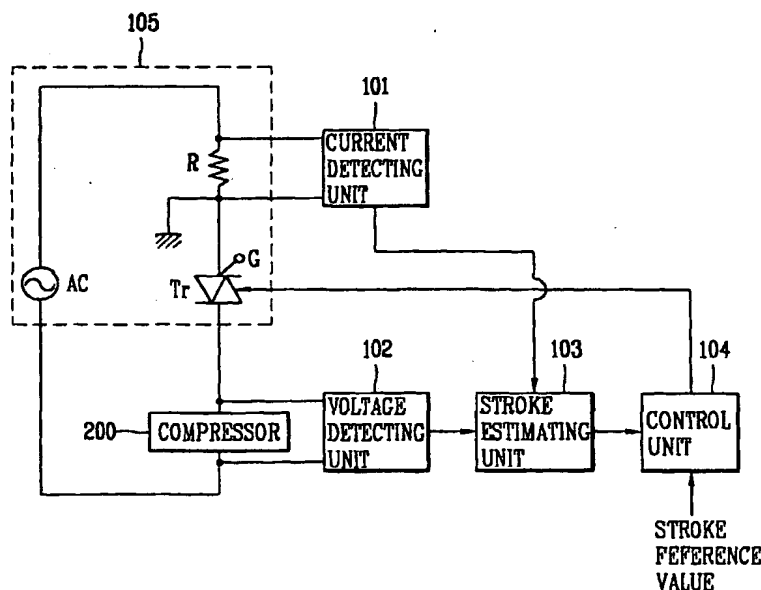
(74) Agent: PARK, Jang-Won; Jewoo Bldg., 5th Floor, 200,
Nonhyun-Dong, Gangnam-Gu, Seoul 135-010 (KR).

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(54) Title: OPERATION CONTROL APPARATUS FOR COMPRESSOR AND METHOD THEREOF



(57) **Abstract:** In an operation control apparatus and a method thereof, the compressor can be protected from overloading through a current control device instead of an OLP (Over Load Protector) and a PTC thermistor (Positive Temperature Coefficient thermistor). The operation control apparatus includes: a stroke estimated unit for estimating a stroke of the compressor on the basis of a current and a voltage applied to an interior motor of the compressor and a motor constant of the interior motor; a control unit for generating a control signal for varying a stroke of the compressor on the basis of the estimated stroke value and a preset stroke reference value; and a current control means being turned on/off so as to vary a stroke voltage applied to the interior motor of the compressor.

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